GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA

UNSTARRED QUESTION NO:530
ANSWERED ON:27.04.2016
Desalination Plants
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Will the Minister of EARTH SCIENCES be pleased to state:

(a) the details of desalination plants set up so far in the country along with their capacity and the funds spent thereon, plant location and State-wise;

(b) whether the Government proposes to set up more desalination plants in the country including in Maharashtra and also supply water to deficit areas;

(c) if so, the details and the capacity along with the funds likely to be spent, location and State-wise; and

(d) the present status of all plants under construction/proposed to be constructed and the time by which these are likely to be commissioned?

Answer

THE MINISTER OF STATE FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND
MINISTRY OF EARTH SCIENCES
(SHRI Y. S. CHOWDARY)

(a) Three desalination plants, based on the Low Temperature Thermal Desalination (LTTD) technology indigenously developed and demonstrated by the National Institute of Ocean Technology (NIOT), have been successfully commissioned one each at Kavaratti, Minicoy, and Agatti islands of the Union Territory of Lakshadweep with expenditures of Rs. 5 crores, Rs. 10.4 crores and Rs. 16.4 crores, respectively. The capacity of each of these LTTD plants is 1 lakh liter of potable water per day. One experimental LTTD plant using condenser waste heat from power plant was set up at North Chennai Thermal Power Station (NCTPS) with an expenditure of Rs. 4.5 crores.
(b) Yes, Madam. It is proposed to set up LTTD plants in Lakshadweep and Tuticorin Thermal Power Station provided adequate funds are available.
(c) Work to set up a prototype LTTD plant with a capacity of generating 2 million litres of potable water per day (2 MLD) at the Tuticorin Thermal Power station, Tamil Nadu has been initiated with initial estimated cost of Rs. 42.14 crores. The Lakshadweep Administration requested NIOT for setting up similar plants in remaining six islands viz., Amini, Chetlet, Kadamath, Kalpeni, Kiltan and Andrott. NIOT has sent a detailed project report with a fund requirement of Rs. 280.01 crores to the Lakshadweep Administration in this regard.
(d) Design for setting up the LTTD plant at the Tuticorin Thermal Power station, Tamil Nadu is in the advanced stage of completion. The proposal to setup LTTD plants in six islands of Lakshadweep has not been approved so far.